ABSTRACT OF THE DISCLOSURE

A magnetic azimuth measurement apparatus without arithmetic means nor any mechanical motion such as rotation, not affecting its mass production ability because of a simple configuration, and making it possible to measure a azimuth in higher precision, is provided. A trigger signal generates if a condition determining circuit detects that a switched output signal reaches a maximum (positive peak), and this trigger signal enables an output interface circuit to hold a switching signal. The switching signal held by the output interface circuit is a digital representation of a detection coil position parallel to an external magnetic field. Accordingly, it is possible to obtain the azimuth of the external magnetic field with respect to the sensor device.